

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An air conditioning system, including a refrigerant circuit provided with a heat-source side heat exchanger and a utilization side heat exchanger, for running a refrigeration cycle in the refrigerant circuit and supplying air having passed through the utilization side heat exchanger to a room space to cope with sensible heat load and latent heat load in the room, wherein

the refrigerant circuit is further provided with an adsorption heat exchanger on the a surface of which an adsorbent for moisture adsorption thereon and moisture desorption therefrom is carried, and

the air conditioning system is configured to supply air having passed through the adsorption heat exchanger to the room space through the utilization side heat exchanger.

2. (Previously Presented) An air conditioning system, including a refrigerant circuit provided with a heat-source side heat exchanger and a utilization side heat exchanger, for running a refrigeration cycle in the refrigerant circuit and supplying air having passed through the utilization side heat exchanger to a room space to cope with sensible heat load and latent heat load in the room, wherein

the refrigerant circuit is further provided with a cross-fin type fin-and-tube adsorption heat exchanger composed of a heat exchanger tube and a plurality of fins, wherein on the surface of the fins an adsorbent for moisture adsorption thereon and moisture desorption therefrom is carried, and

the air conditioning system is configured to supply air having passed through the utilization side heat exchanger to the room space through the adsorption heat exchanger.

3. (Currently Amended) An air conditioning system, including a refrigerant circuit provided with a heat-source side heat exchanger and a utilization side heat exchanger, for running a refrigeration cycle in the refrigerant circuit and supplying air having passed through the utilization side heat exchanger to a room space to cope with sensible heat load and latent heat load in the room, wherein

the refrigerant circuit is further provided with an adsorption heat exchanger on ~~the-a~~ surface of which an adsorbent for moisture adsorption thereon and moisture desorption therefrom is carried, and

the air conditioning system is configured to allow the air to concurrently flow in parallel flows through the utilization side heat exchanger and the adsorption heat exchanger and supply the flows of air to the room space.

4. (Previously Presented) An air conditioning system, including a refrigerant circuit provided with a heat-source side heat exchanger and a utilization side heat exchanger, for running a refrigeration cycle in the refrigerant circuit and supplying air having passed through the utilization side heat exchanger to a room space to cope with sensible heat load and latent heat load in the room, wherein

the refrigerant circuit is further provided with a cross-fin type fin-and-tube adsorption heat exchanger composed of a heat exchanger tube and a plurality of fins, wherein on the surface of the fins an adsorbent for moisture adsorption thereon and moisture desorption therefrom is carried, and

the air conditioning system is configured to discharge air having passed through the adsorption heat exchanger to the outdoor space through the heat-source side heat exchanger.

5. (Previously Presented) An air conditioning system, including a refrigerant circuit provided with a heat-source side heat exchanger and a utilization side heat exchanger, for running a refrigeration cycle in the refrigerant circuit and supplying air having passed through the utilization side heat exchanger to a room space to cope with sensible heat load and latent heat load in the room, wherein

the refrigerant circuit is further provided with a cross-fin type fin-and-tube adsorption heat exchanger composed of a heat exchanger tube and a plurality of fins, wherein on the surface of the fins an adsorbent for moisture adsorption thereon and moisture desorption therefrom is carried, and

the air conditioning system is configured to discharge air having passed through the heat-source side heat exchanger to the outdoor space through the adsorption heat exchanger.

6. (Currently Amended) An air conditioning system, including a refrigerant circuit provided with a heat-source side heat exchanger and a utilization side heat exchanger, for running a refrigeration cycle in the refrigerant circuit and supplying air having passed through the utilization side heat exchanger to a room space to cope with sensible heat load and latent heat load in the room, wherein

the refrigerant circuit is further provided with an adsorption heat exchanger on ~~the-a~~ surface of which an adsorbent for moisture adsorption thereon and moisture desorption therefrom is carried, and

the air conditioning system is configured to allow the air to concurrently flow in parallel flows through the heat-source side heat exchanger and the adsorption heat exchanger and discharge the flows of air to the outdoor space.

7. (Previously Presented) The air conditioning system of claim 1, wherein

the adsorption heat exchanger comprises a first adsorption heat exchanger and a second adsorption heat exchanger, and

the air conditioning system is configured to repeatedly alternate a first mode in which the air having passed through the first adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the second adsorption heat exchanger is discharged to the outdoor space and a second mode in which the air having passed through the second adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the first adsorption heat exchanger is discharged to the outdoor space.

8. (Previously Presented) The air conditioning system of claim 2, wherein

the adsorption heat exchanger comprises a first adsorption heat exchanger and a second adsorption heat exchanger, and

the air conditioning system is configured to repeatedly alternate a first mode in which the air having passed through the first adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the second adsorption heat exchanger is discharged to the outdoor space and a second mode in which the air having passed through the second adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the first adsorption heat exchanger is discharged to the outdoor space.

9. (Previously Presented) The air conditioning system of claim 3, wherein

the adsorption heat exchanger comprises a first adsorption heat exchanger and a second adsorption heat exchanger, and

the air conditioning system is configured to repeatedly alternate a first mode in which the air having passed through the first adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the second adsorption heat exchanger is discharged to

the outdoor space and a second mode in which the air having passed through the second adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the first adsorption heat exchanger is discharged to the outdoor space.

10. (Previously Presented) The air conditioning system of claim 4, wherein
the adsorption heat exchanger comprises a first adsorption heat exchanger and a second adsorption heat exchanger, and

the air conditioning system is configured to repeatedly alternate a first mode in which the air having passed through the first adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the second adsorption heat exchanger is discharged to the outdoor space and a second mode in which the air having passed through the second adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the first adsorption heat exchanger is discharged to the outdoor space.

11. (Previously Presented) The air conditioning system of claim 5, wherein
the adsorption heat exchanger comprises a first adsorption heat exchanger and a second adsorption heat exchanger, and

the air conditioning system is configured to repeatedly alternate a first mode in which the air having passed through the first adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the second adsorption heat exchanger is discharged to the outdoor space and a second mode in which the air having passed through the second adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the first adsorption heat exchanger is discharged to the outdoor space.

12. (Previously Presented) The air conditioning system of claim 6, wherein the adsorption heat exchanger comprises a first adsorption heat exchanger and a second adsorption heat exchanger, and the air conditioning system is configured to repeatedly alternate a first mode in which the air having passed through the first adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the second adsorption heat exchanger is discharged to the outdoor space and a second mode in which the air having passed through the second adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the first adsorption heat exchanger is discharged to the outdoor space.

13. (Previously Presented) The air conditioning system of claim 1, wherein the adsorption heat exchanger is a cross-fin type fin-and-tube heat exchanger composed of a heat exchanger tube and a plurality of fins, wherein the adsorbent is carried on the fins.

14. (Previously Presented) The air conditioning system of claim 3, wherein the adsorption heat exchanger is a cross-fin type fin-and-tube heat exchanger composed of a heat exchanger tube and a plurality of fins, wherein the adsorbent is carried on the fins.

15. (Previously Presented) The air conditioning system of claim 6, wherein the adsorption heat exchanger is a cross-fin type fin-and-tube heat exchanger composed of a heat exchanger tube and a plurality of fins, wherein the adsorbent is carried on the fins.

16. (Previously Presented) An air conditioning system, including a refrigerant circuit provided with a heat-source side heat exchanger and a utilization side heat exchanger, for running a refrigeration cycle in the refrigerant circuit and supplying air having passed through the utilization side heat exchanger to a room space to cope with sensible heat load and latent heat

load in the room, wherein

the refrigerant circuit is further provided with a first adsorption heat exchanger and a second adsorption heat exchanger, wherein on the surface of both adsorption heat exchangers an adsorbent for moisture adsorption thereon and moisture desorption therefrom is carried, and

the air conditioning system is configured to supply air having passed through the utilization side heat exchanger to the room space through the first and second adsorption heat exchangers, and wherein

the air conditioning system is further configured to repeatedly alternate a first mode in which the air having passed through the first adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the second adsorption heat exchanger is discharged to the outdoor space and a second mode in which the air having passed through the second adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the first adsorption heat exchanger is discharged to the outdoor space.

17. (Previously Presented) An air conditioning system, including a refrigerant circuit provided with a heat-source side heat exchanger and a utilization side heat exchanger, for running a refrigeration cycle in the refrigerant circuit and supplying air having passed through the utilization side heat exchanger to a room space to cope with sensible heat load and latent heat load in the room, wherein

the refrigerant circuit is further provided with a first adsorption heat exchanger and a second adsorption heat exchanger, wherein on the surface of both adsorption heat exchangers an adsorbent for moisture adsorption thereon and moisture desorption therefrom is carried, and

the air conditioning system is configured to discharge air having passed through the first and second adsorption heat exchangers to the outdoor space through the heat-source side heat exchanger, and wherein

the air conditioning system is further configured to repeatedly alternate a first mode in which the air having passed through the first adsorption heat exchanger is supplied to the room

space and concurrently the air having passed through the second adsorption heat exchanger is discharged to the outdoor space and a second mode in which the air having passed through the second adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the first adsorption heat exchanger is discharged to the outdoor space.

18. (Previously Presented) An air conditioning system, including a refrigerant circuit provided with a heat-source side heat exchanger and a utilization side heat exchanger, for running a refrigeration cycle in the refrigerant circuit and supplying air having passed through the utilization side heat exchanger to a room space to cope with sensible heat load and latent heat load in the room, wherein

the refrigerant circuit is further provided with a first adsorption heat exchanger and a second adsorption heat exchanger, wherein on the surface of both adsorption heat exchangers an adsorbent for moisture adsorption thereon and moisture desorption therefrom is carried, and

the air conditioning system is configured to discharge air having passed through the heat-source side heat exchanger to the outdoor space through the first and second adsorption heat exchangers, and wherein

the air conditioning system is configured to repeatedly alternate a first mode in which the air having passed through the first adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the second adsorption heat exchanger is discharged to the outdoor space and a second mode in which the air having passed through the second adsorption heat exchanger is supplied to the room space and concurrently the air having passed through the first adsorption heat exchanger is discharged to the outdoor space.